eLabConsole User Manual
Ver 1.2.0.6

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Product Description 3

Login To The Site 3

Download The eLab Client Software 3

Internet Explorer 4

Firefox 4

Install The eLab Client Software 4

Performing Labs with The eLab Client 6

The Virtual Lab Desktop Window 9

The Toolbar 9
Send Ctrl-Alt-Del 9
Refresh Screen 9
Take a Screenshot 9
Check Progress 9
Live Help 9
Zoom In 9
Zoom Out 10
Close Lab 10
Switch to… 10
Reconnect 10

The Step Guide Window 11

The Lab menu 11
Check Progress 11
Switch To… 11
Reconnect To… 11
Print… 11
Print Setup… 11
Close Lab 11

The Edit menu 11

The View menu 11

The Help menu 12
About elabLauncher 12
Live Support 12

Using elabConsole With a Firewall Present 13

Creating a Windows XP firewall exception 13

Important Notes 17

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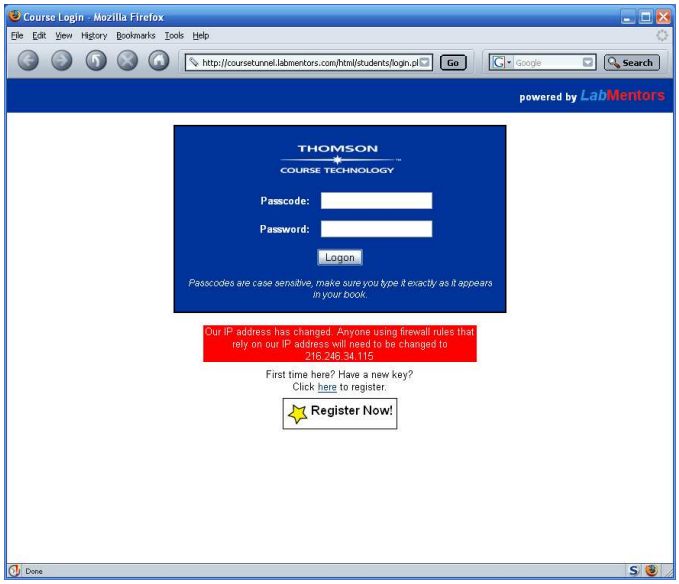
Product Description

LabMentors Virtual Lab framework offers a new virtual lab connection client. The eLab client is designed to deliver stronger performance for a reasonable budget and includes all the features of LabMentors' previous virtual lab clients and many more new ones. This manual details the installation and operation of the new client.

Login To The Site

To install the new client, you must login to the 'tunnelling' lab site. Go to http://coursetunnel.labmentors.com and enter your passcode and password.


Course Login - Mozilla Firefox
powered by LabMentors
THOMSON
COURSE TECHNOLOGY
Passcode:
Password:
Logon
Passcodes are case sensitive, make sure you type it exactly as it appears in your book.
Our IP address has changed. Anyone using firewall rules that rely on our IP address will need to be changed to 216.246.34.115
First time here? Have a new key?
Click here to register.
Register Now!

Download The eLab Client Software

Once logged in you are directed to the 'Virtual Labs Home' page. On the Virtual Labs Home page, locate the **eLab Client** link. Click on the link to download and install the executable. This application is a small program, less than 1Mb in size. The warning window that pops up depends on what type of browser you are using when you click on the setup file.

Course Technology - Mozilla Firefox
Course Home
Networking at Course.com
Help Desk
How to Buy
THOMSON
COURSE TECHNOLOGY
Virtual Labs Home
70-270 Web-Based Labs for MCSE Guide to Microsoft Windows XP Professional, Second Edition
ISBN: 0-619-21353-1
Course Technology
Virtual Labs Home
» My Labs
» My Profile
» Help
» Live Support
» Help Desk
» Check Compatibility
» Lab Results Rollup
» Take Our Survey
» Logout
Hello Mike
Download the LabMentors Remote eLab client (1 MB)
Download the User Manual (1 MB) for the LabMentors Remote eLab client.
Welcome to Course Technology's learning portal.
All MCSE Labs that require Active Directory to be previously installed take between 4 to 5 minutes during boot-up before the login screen is available. This is due to the time it takes for Advanced Server with Active Directory to start and is no fault of the LabMentors Education system. Please be patient while your lab launches.
Please Note: While in the lab when you are asked to press Ctrl+Alt+Del click on the 'Send Ctrl+Alt+Del' button at the top of the lab window.
Getting Started
Updates
Try to run the compatibility test from the Help section if you are having a problem running a lab.
If you are using firewall rules that rely on our IP address, it is 216.246.34.115
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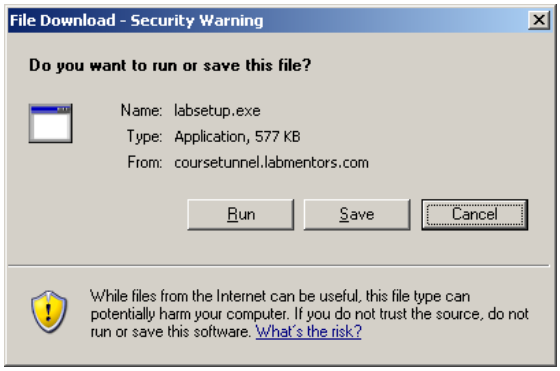
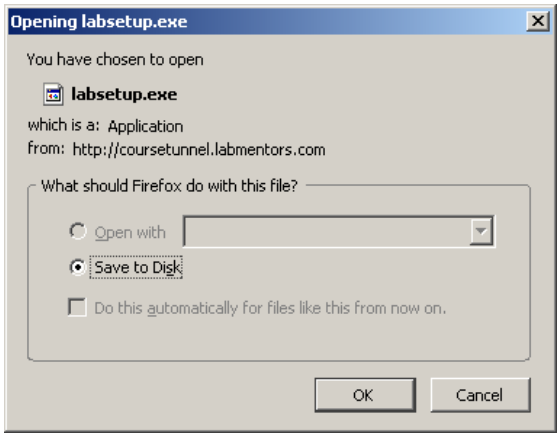

File Download - Security Warning
Do you want to run or save this file?
Name: labsetup.exe
Type: Application, 577 KB
From: coursetunnel.labmentors.com
Run
Save
Cancel
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not run or save this software. What's the risk?

Internet Explorer

If you are using Internet explorer you will receive a File Download warning similar to the one pictured here. You can either click on 'Run' to begin the installation immediately or you can click on 'Save' to save the install file to your hard drive after which you will need to go and manually double-click the file to begin the installation process.

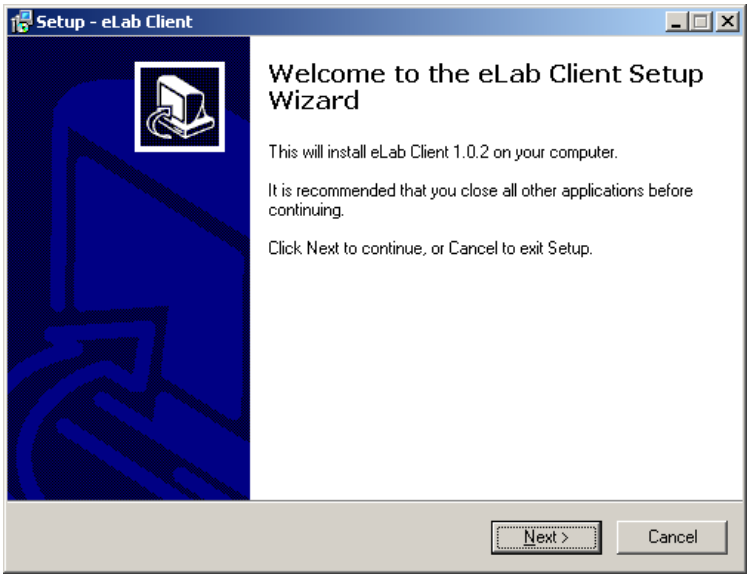


Firefox

Under the default configuration with the Firefox browser, you should see a window similar to this one when you click on the 'LabSetup.exe' hyperlink. With Firefox you may have to save the file to the hard drive first. If this is the case, simply select 'OK' to save the file to the hard drive and then manually go and run the installation.

Install The eLab Client Software

1. Running the install results in the following 'Setup – eLab Client' window. Click **Next**.


Setup - eLab Client
Welcome to the eLab Client Setup Wizard
This will install eLab Client 1.0.2 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

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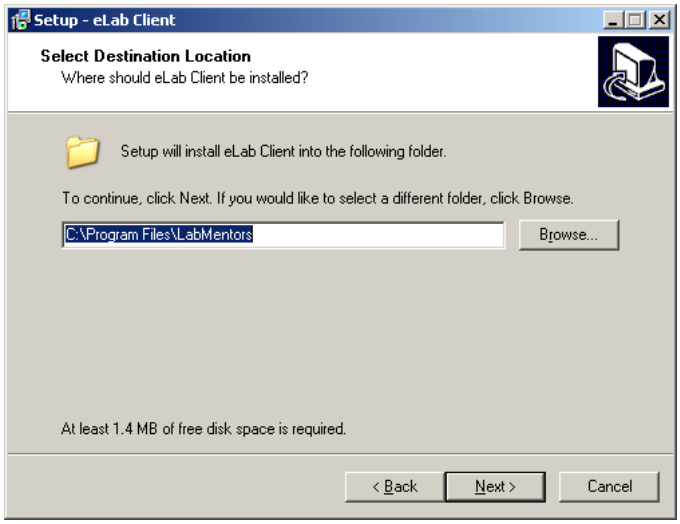
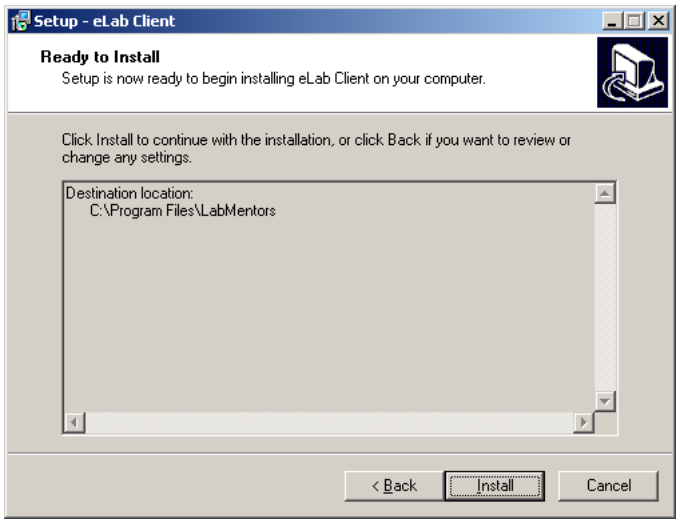
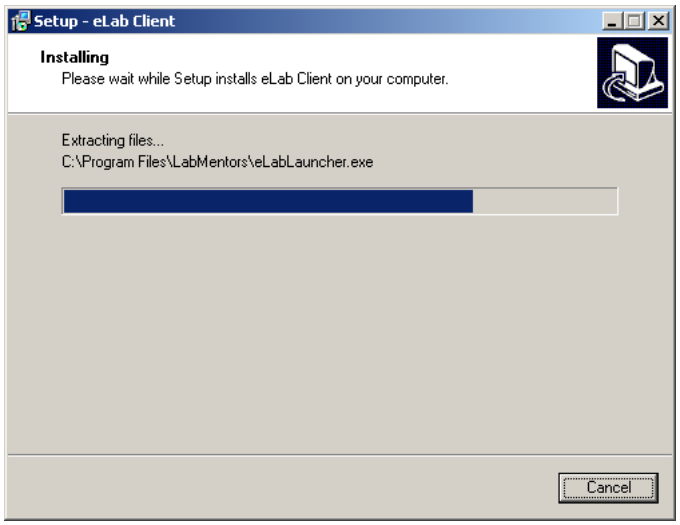
2. Accept the default install folder and click on **Next**.


Setup - eLab Client
Select Destination Location
Where should eLab Client be installed?
Setup will install eLab Client into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\LabMentors
Browse...
At least 1.4 MB of free disk space is required.
< Back
Next >
Cancel

3. Now the program is ready to install. Review the information displayed on the 'Ready to Install' window and if it is acceptable, click on the **Install** button.


Setup - eLab Client
Ready to Install
Setup is now ready to begin installing eLab Client on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\LabMentors
< Back
Install
Cancel

4. The elab Client is now being installed on your computer. This will normally take only a few seconds.



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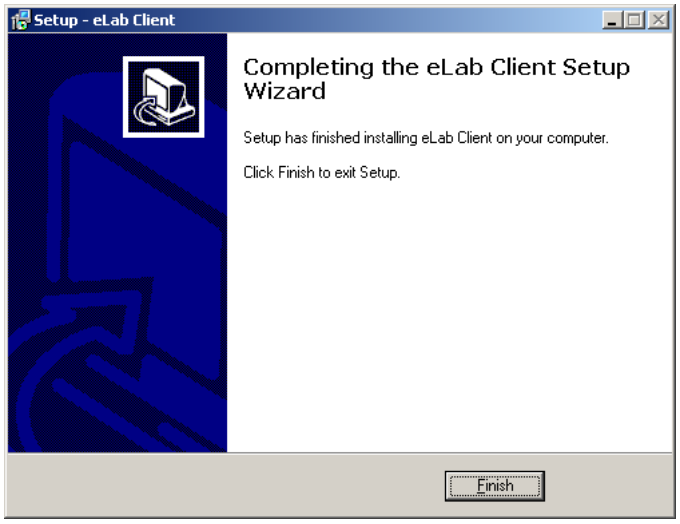
5. At the 'Completing the eLab Client Setup Wizard' window click on **Finish** to complete the installation. Now that you have successfully installed the eLab Client, you should be able to click and run labs from the coursetunnel web site.


Setup - eLab Client
Completing the eLab Client Setup Wizard
Setup has finished installing eLab Client on your computer.
Click Finish to exit Setup.
Finish

Performing Labs with The eLab Client

On the left menu of the website, click on the 'My Labs' link to go to that page. Now, select the '+' symbol next to the Chapter listing to expand the list of available labs for each chapter. Click on a lab and you are presented with a popup menu with several options. To start a lab you will select the option that reads 'Launch Now'

Course Technology - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://coursetunnel.labmentors.com/html/students,
Go
Search
Course Home
Networking at Course.com
Help Desk
How to Buy
THOMSON COURSE TECHNOLOGY
My Labs
70-270 Web-Based Labs for MCSE Guide to Microsoft Windows XP Professional, Second Edition
ISBN: 0-619-21353-1
Course Technology
» Virtual Labs Home
My Labs
» My Profile
» Help
» Live Support
» Help Desk
» Check Compatibility
» Lab Results Rollup
» Take Our Survey
» Logout
Getting Started
This page is the starting point for performing an online lab exercise. Step 1: Select a lab from the list. Step 2: Click on the lab title to bring up the menu. The step by step guide should be printed and/or opened and minimized on your task bar so you can follow the lab instructions as you work. Launch now will begin the lab immediately. Help will link you to the user guide.
LabMentors online chat support hours are from 8 am to 10 pm EST Monday to Friday, and 5 pm to 10 pm on weekends. If you are having problems and a LabMentor is unavailable please submit a support ticket using our Live Support system, just click on the Live Support link on the left side of this page. You can also use our Troubleshooter and Ticket Submission System by clicking Here.
Lab Time
You have 31522 hours and 46 minutes of lab time remaining.
Available Labs
+ Chapter 1 Labs
[70-270] Activity 1-1: Introd
[70-270] Activity 1-2: Settin
[70-270] Activity 1-3: Verify
Launch Now
Step-by-Step Guide
Schedule
Done

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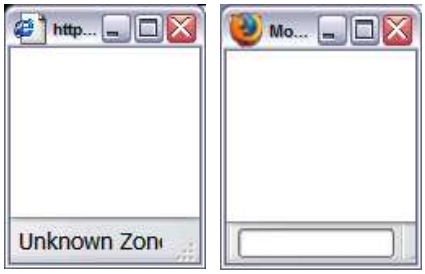
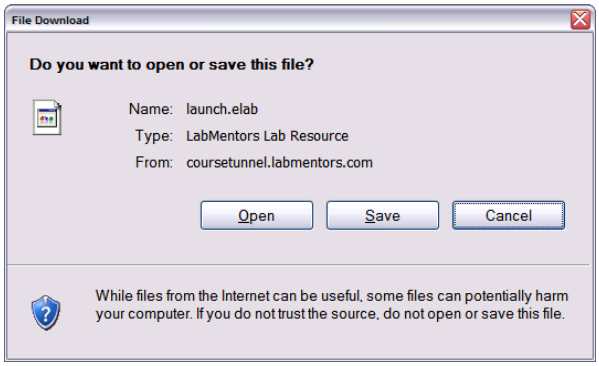


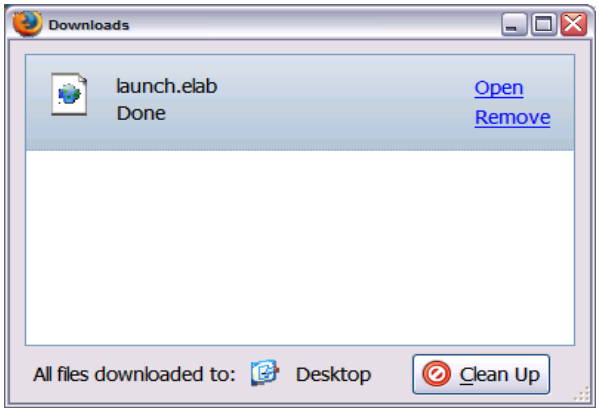
After clicking the 'Launch Now' option, a new smaller browser window will be created. With Internet explorer, and with Firefox you will notice that a small browser window appears in the top left hand corner of your monitor. This browser window should disappear after your lab information downloads. If it does not, you can simply close it after your lab starts by clicking on the 'X' button in the top right corner of the window. This new browser window is created in order to commence the download of your lab session.

A short period of time after this window is created you will be presented with a 'File Download' window. With Internet Explorer the window will look similar to the following with Open, Save and Cancel as options. Select **Open**.


File Download
Do you want to open or save this file?
Name: launch.elab
Type: LabMentors Lab Resource
From: coursetunnel.labmentors.com
Open
Save
Cancel
While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file.

With Firefox browser, you will receive a file download window which will appear similar to the following:

Accept the default option **eLabConsole (default)** and click on 'OK'. You will now see that your lab is loading. With Firefox you will also see a download summary window like that presented on the right. This is normal Firefox behavior and you may close this window anytime.



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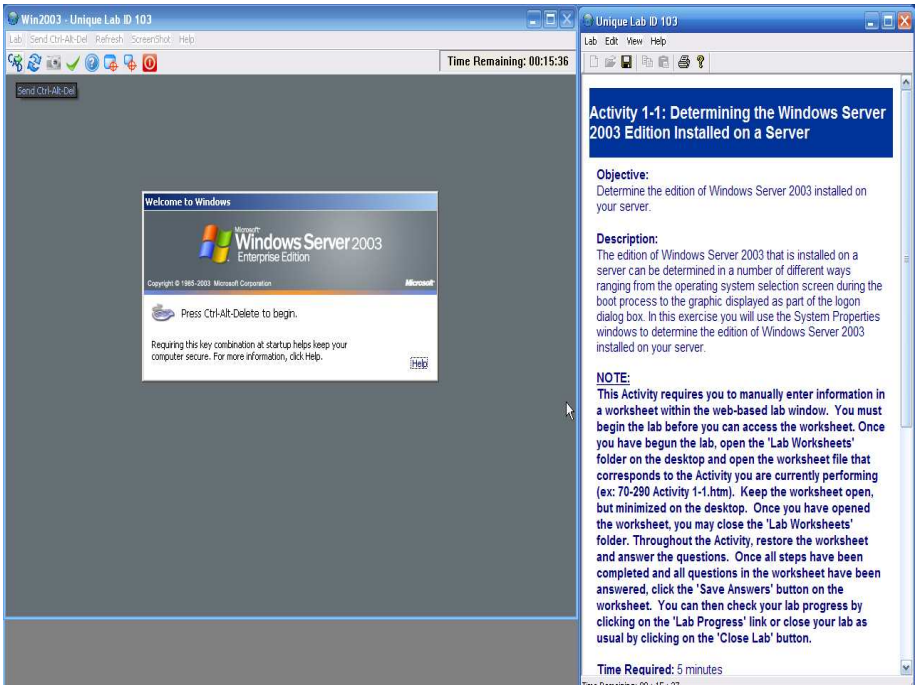
LabMentors™ Virtual Lab Framework

With either Firefox or Internet Explorer you should now see two new windows opened. One has the Step Guide for your lab in the body of the window, along with some menu items at the top of the wind, while the other is a window with the logo and a progress bar.

The progress bar indicates that the lab environment is being set up and the window to the right is your step guide and control window.

Once the progress bar is complete and the lab environment has been loaded, you will be presented with the lab environment (elab window) on the left and the step guide and control window still on the right (unless you moved it).

The elab window on the left is actually a remote connection to live equipment. You will notice some delay in cursor movements however, the environment should be optimized to your connection speed and quality. On this window you control the remote machine as if you were actually sitting in front of a physical computer with some minor differences. Instead of using the Ctrl-Alt-Del button combination to get the login prompt for example, you click on the **Send Ctrl-Alt-Del** button at the top of the elab window.


Win2003 - Unique Lab ID 103
Time Remaining: 00:15:36
Send Ctrl-Alt-Del
Welcome to Windows
Windows Server 2003
Enterprise Edition
Press Ctrl-Alt-Delete to begin.
Unique Lab ID 103
Activity 1-1: Determining the Windows Server 2003 Edition Installed on a Server
Objective:
Determine the edition of Windows Server 2003 installed on your server.
Description:
NOTE:
Time Required: 5 minutes

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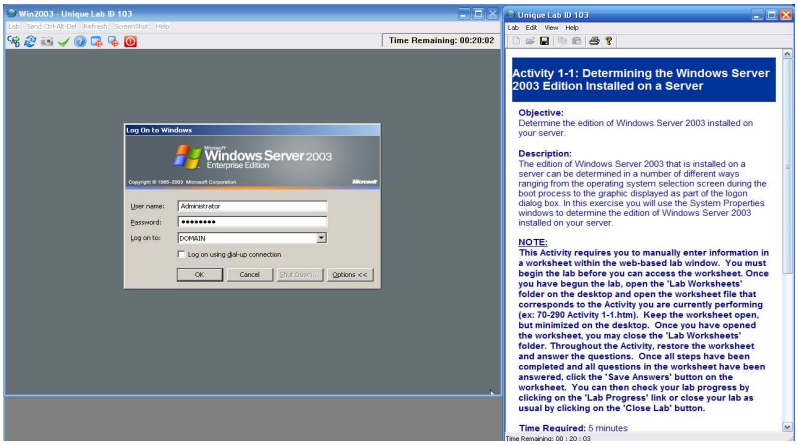
Having clicked on the **Send Ctrl-Alt-Del** button at the top of the lab window, you are now able to login to the server or workstation as you normally would.


Win2003 - Unique Lab ID 103
Time Remaining: 00:20:02
Log On to Windows
Windows Server 2003
Enterprise Edition
User name:
Password:
Log on to:
DOMAIN
OK
Cancel
Options <<
Unique Lab ID 103
Activity 1-1: Determining the Windows Server 2003 Edition Installed on a Server
Objective:
Determine the edition of Windows Server 2003 installed on your server.
Description:
The edition of Windows Server 2003 that is installed on a server can be determined in a number of different ways ranging from the operating system selection screen during the boot process to the graphic displayed as part of the logon dialog box. In this exercise you will use the System Properties windows to determine the edition of Windows Server 2003 installed on your server.
NOTE:
This Activity requires you to manually enter information in a worksheet within the web-based lab window. You must begin the lab before you can access the worksheet. Once you have begun the lab, open the 'Lab Worksheets' folder on the desktop and open the worksheet file that corresponds to the Activity you are currently performing (ex: 70-290 Activity 1-1.htm). Keep the worksheet open, but minimized on the desktop. Once you have opened the worksheet, you may close the 'Lab Worksheets' folder. Throughout the Activity, restore the worksheet and answer the questions. Once all steps have been completed and all questions in the worksheet have been answered, click the 'Save Answers' button on the worksheet. You can then check your lab progress by clicking on the 'Lab Progress' link or close your lab as usual by clicking on the 'Close Lab' button.
Time Required: 5 minutes

The Virtual Lab Desktop Window

The Virtual Lab Desktop window is where you will control most of your lab experience inside and out. At the top of this window are 8 icons: Send Ctrl-Alt-Del, Refresh Screen, Take a Screenshot, Check Progress, Live Support, Zoom In, Zoom Out, and Close Lab.

The Toolbar

Send Ctrl-Alt-Del **–** Use this button when you are instructed to press Ctrl-Alt-Del to perform an action in a lab.

Refresh Screen **–** Use this button to refresh the screen if it starts to look like it did not update the screen properly.

Take a Screenshot – Use this button to take a screenshot of the Virtual Lab Desktop. It will save a JPEG image to your desktop. An example of the filename saved to the desktop is labmentors_Win2003_1.jpg.

Check Progress – Click on this button to check your progress in the lab before you close it. *This is only useful for labs that are created with verification*.

Live Help – This button will connect you to our live chat support or our ticket submission system if an operator is unavailable.

Zoom In – This will enlarge the Virtual Lab Desktop window. This does not change the screen resolution in the lab and it does not work with all virtual machines.

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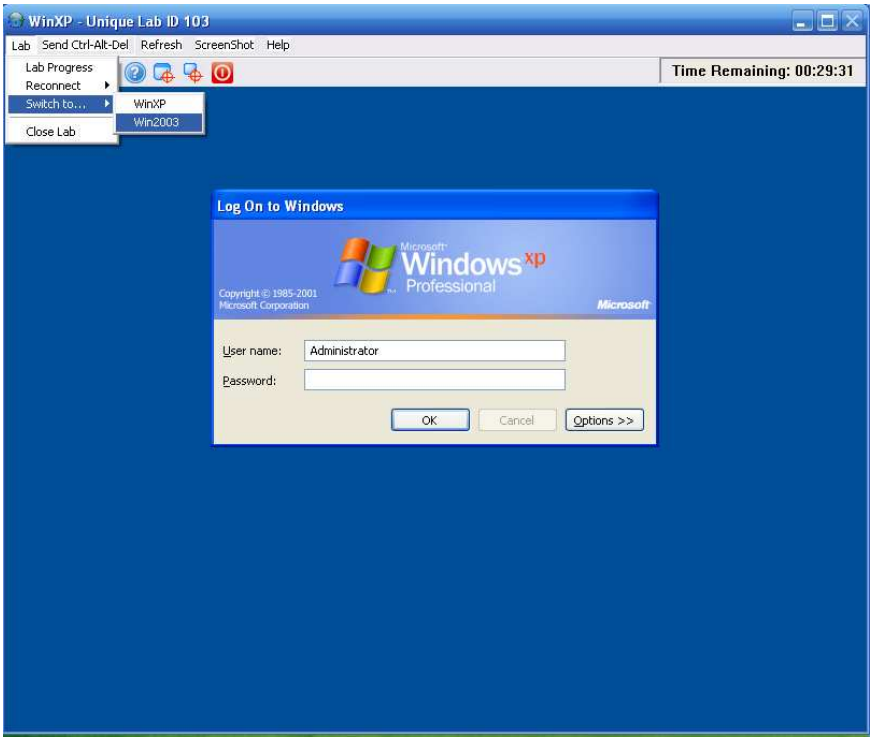
Zoom Out – This will shrink the Virtual Lab Desktop window. This does not change the screen resolution in the lab and it does not work with all virtual machines.

Close Lab – Use this button to close the lab when you are finished with it. Closing the lab by using the X in the corner of the window will not end your lab and the lab timer ticking unless you use this button to shut down the lab.

Switch to… - You can also click on the Lab Menu at the top of the Virtual Lab Desktop window to switch virtual machines in multi-machine labs. Click on the **Lab** menu, mouse over the **Switch to…** option and click on the virtual machine name that you want to work with.



Reconnect – This function works the same way that switch to… does, but you can see this in single machine labs. You can use this to rebuild your connection to the virtual lab environment.

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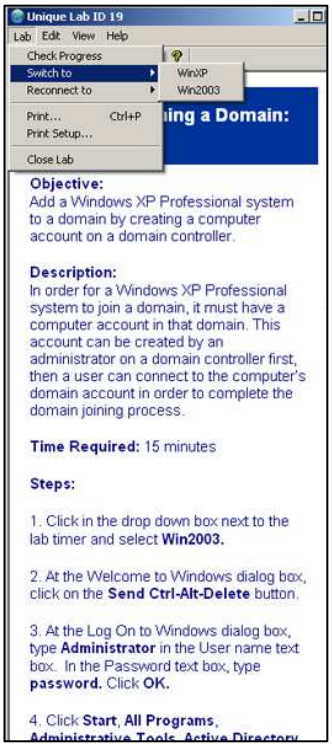
The Step Guide Window

The Step Guide window (elabConsole) is where you can access most of the functions that are in the Virtual Lab Desktop window. At the top of this window are 4 menu items: Lab, Edit, View and Help.


Unique Lab ID 19
Lab Edit View Help
Check Progress
Switch to
Reconnect to
Print... Ctrl+P
Print Setup...
Close Lab
WinXP
Win2003
ing a Domain:
Objective:
Add a Windows XP Professional system to a domain by creating a computer account on a domain controller.
Description:
In order for a Windows XP Professional system to join a domain, it must have a computer account in that domain. This account can be created by an administrator on a domain controller first, then a user can connect to the computer's domain account in order to complete the domain joining process.
Time Required: 15 minutes
Steps:
1. Click in the drop down box next to the lab timer and select Win2003.
2. At the Welcome to Windows dialog box, click on the Send Ctrl-Alt-Delete button.
3. At the Log On to Windows dialog box, type Administrator in the User name text box. In the Password text box, type password. Click OK.
4. Click Start, All Programs,

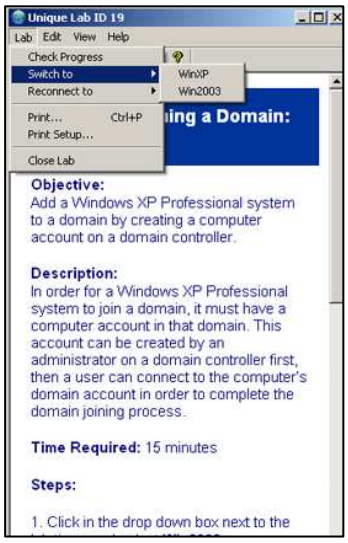
The Lab menu contains many interactive components that you should become familiar with. Following is a discussion of each one:

Check Progress – The check progress menu item allows the user to test their progress to see if the objective of the Activity has been met. At this time, you may only use this for the lab Activity that you started. For example, if you started Activity 2-1, then the check progress will only verify Activity 2-1.

Switch To… – This menu item allows you to switch between machines in a multi-machine lab Activity. For example, if you were performing a lab Activity that requires you to set up a network connection between 2 machines you could use the switch to… function to switch between them.

Reconnect To… – This menu item allows you to reconnect to a virtual machine if your lab involves a reboot, or if a network connection error occurs.

Print… – This menu item causes the step guide to be printed on your default (or selectable) printer as set up through your operating system.


Unique Lab ID 19
Lab Edit View Help
Check Progress
Switch to
Reconnect to
Print... Ctrl+P
Print Setup...
Close Lab
WinXP
Win2003
ing a Domain:
Objective:
Add a Windows XP Professional system to a domain by creating a computer account on a domain controller.
Description:
In order for a Windows XP Professional system to join a domain, it must have a computer account in that domain. This account can be created by an administrator on a domain controller first, then a user can connect to the computer's domain account in order to complete the domain joining process.
Time Required: 15 minutes
Steps:
1. Click in the drop down box next to the

Print Setup… – This menu item presents an interface that allows you to setup the printer options. For example, switching between portrait and landscape printing orientation.

Close Lab – This is the only way to close your lab out completely unless you run out of time. If you have completed your lab exercise and your 'Check Progress' indicates the same, then select this menu item to terminate the lab session and save your result.

The Edit menu currently only allows you to 'Copy' text from the step guide.

The View menu allows you to toggle between displaying the toolbar and/or the status bar. It is recommended that you always display the status bar as it shows the amount of time remaining to complete the current lab.

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The Help menu has two items:

About elabLauncher – This menu item provides the current version and build information. This is particularly useful for support.

Live Support – This menu item provides the user with a realtime web-based chat support system. By clicking on the menu item, the user is provided with an interface to a text-based chat system that connects to a live support individual for one-on-one support.

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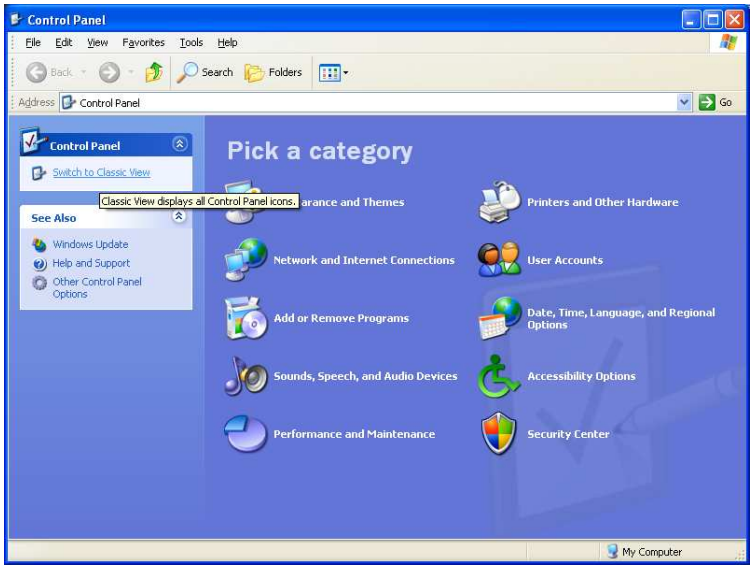
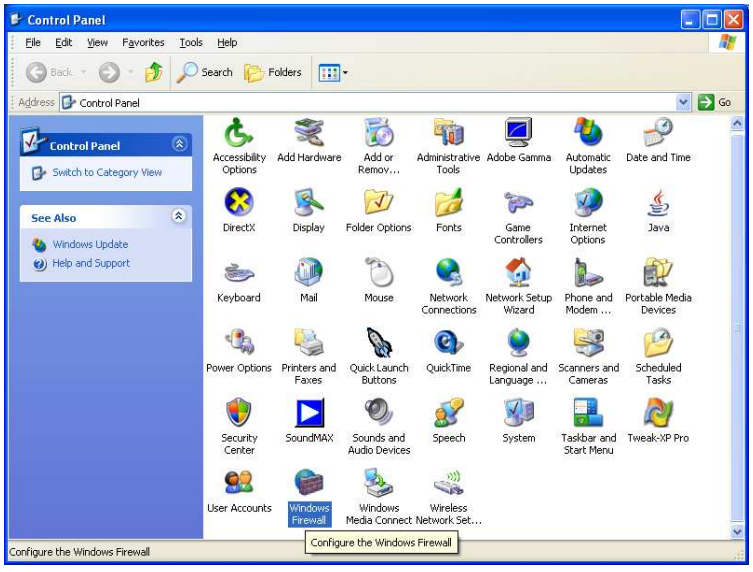
Using elabConsole With a Firewall Present

Software firewalls can block our application from running on your computer. If none of your labs start, you will need to either disable the firewall, or create an exception rule. We have outlined the steps that need to be taken to create a firewall rule for the Windows XP firewall; if you use a third-party firewall such as Norton, McAfee, or Zonealarm, you will need to consult their documentation or help files, or you will need to disable it to perform the labs.



Creating a Windows XP firewall exception

Open the **Control Panel** and Click on Switch to Classic view if it is using the default Category view.



Double Click on **Windows Firewall**

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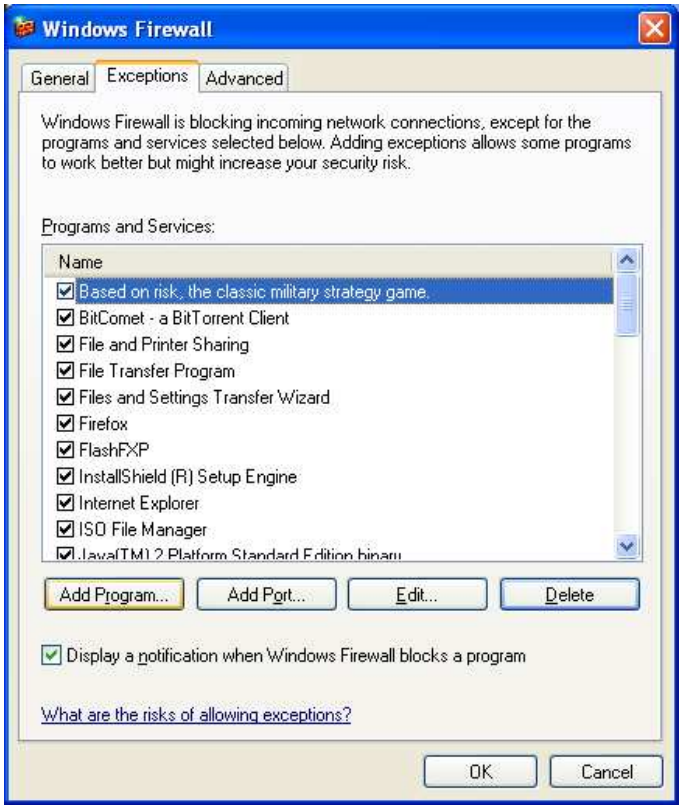
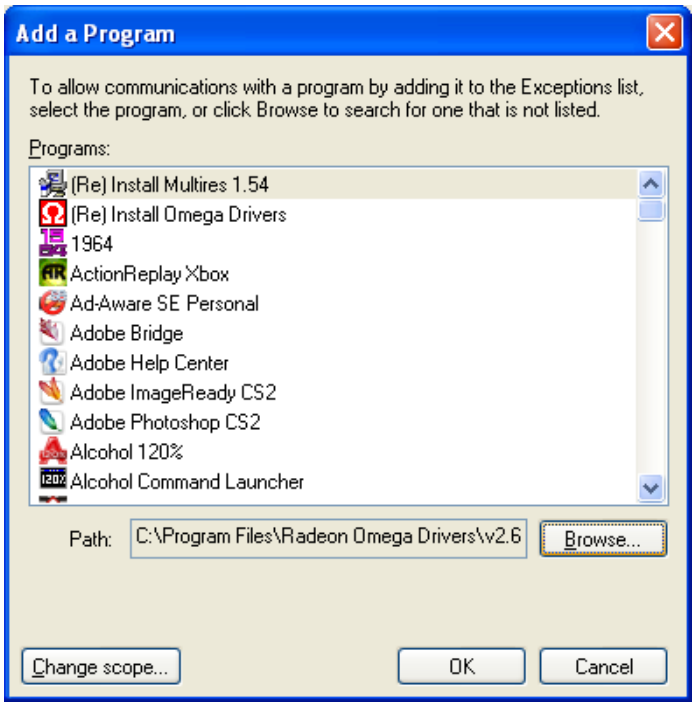


Click on the **Exceptions** tab and then click on the **Add Program** button.



Click on **Browse** when the Add a Program window appears.

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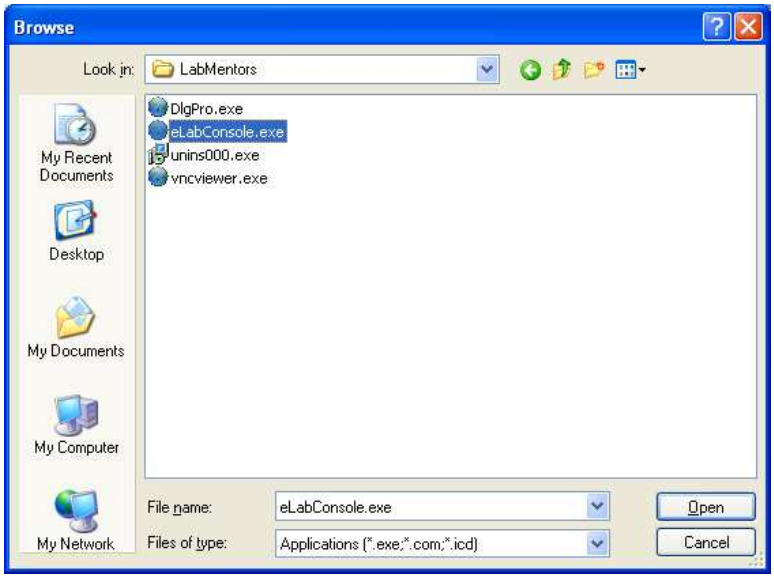
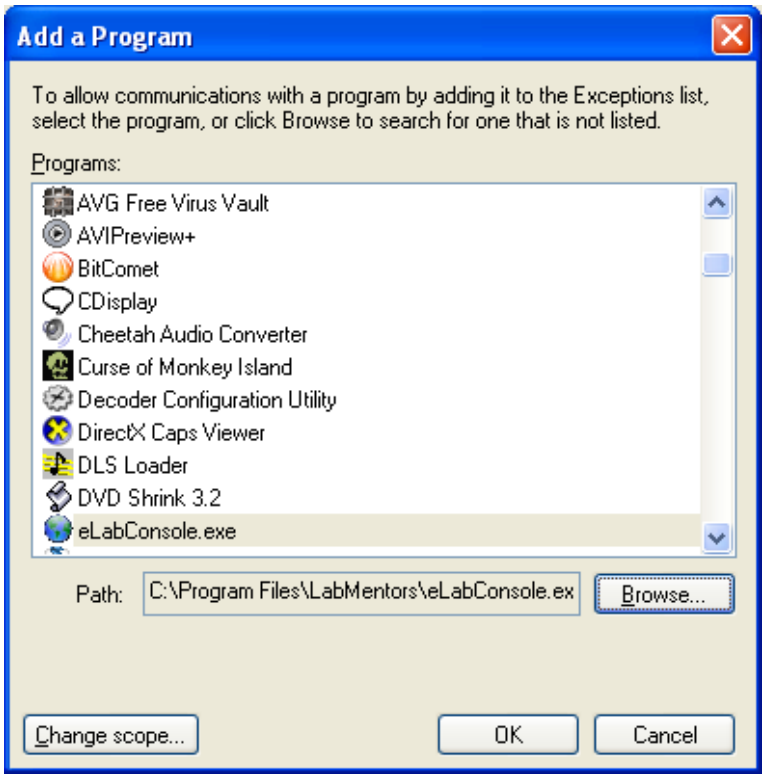


Browse for **eLabConsole.exe**. If you accepted the default location when you installed the application, it is stored in **C:\Program Files\LabMentors**.

Double-click on eLabConsole.exe when you find it, or click on it to highlight it and click on Open.



Click on **eLabConsole.exe** in the Add a Program window and click on OK.

www.labmentors.com
phone 800.429.3110 fax 208.343.1321
support 506.451.6467
support@labmentors.com

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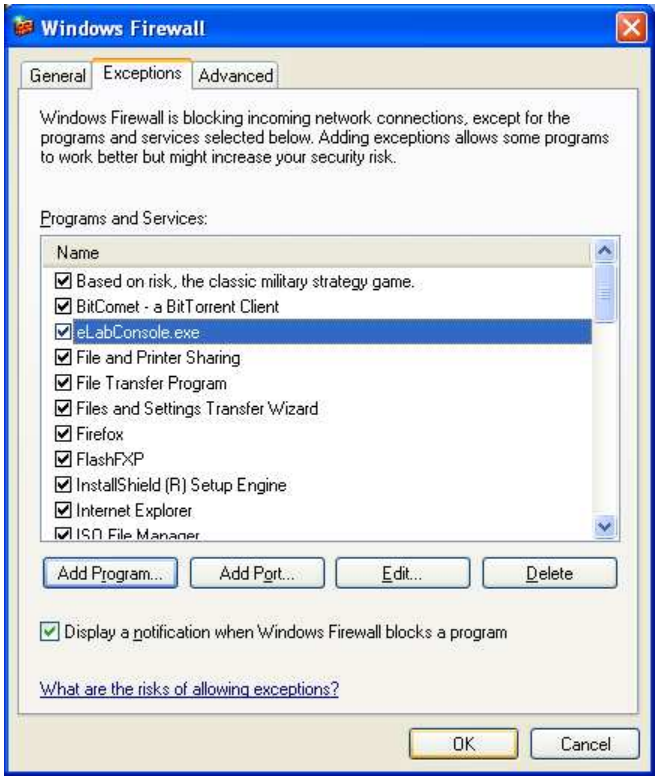

Verify that eLabConsole.exe is present in the **Exceptions list** and click OK.

Note: Some firewalls will also require you to add the *uvncviewer.exe* and *rvncviewer.exe* files in the *C:\Program Files\Labmentors* directory.

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Important Notes

1. Never close a lab by clicking on the 'X' at the top of the step guide and control window. This only minimizes the control to the tray. (Blue Globe icon). Double-clicking on the blue globe icon in the tray restores the step guide window while right-clicking on the blue globe icon in the tray raises the 'Lab Menu' items.

2. Please report all bugs or issues with the product to our tech support group coursetech@labmentors.com or go to the **Live Support** for instant one-on-one support.

3. Suggestions are welcome and encouraged.

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